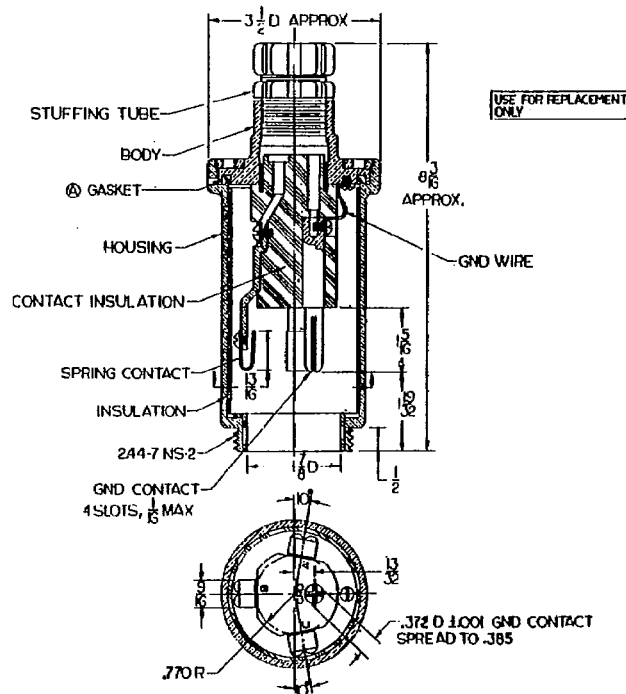


MILITARY SPECIFICATION SHEET

RECEPTACLE, ELECTRICAL CONNECTOR, 25-AMPERE, 500-VOLT, 3-PHASE GROUNDED (SYMBOL NO. 722.1)

- (A) This specification is approved for use within the Naval Sea Systems Command, Department of the Navy, and is available for use by all Departments and Agencies of the Department of Defense.
- (A) The requirements for acquiring the receptacle described herein shall consist of this specification and the latest issue of MIL-R-2726.



SH 9103

NOTES:

1. Dimensions are in inches. Unless otherwise specified, tolerances are $\pm 1/64$ inch for fractions and ± 0.002 inch for decimals. Angular tolerance is $\pm 1/2$ degree.
2. Supersedes: Drawing 9-S-5537-L, symbol 722.

FIGURE 1. Dimensions and configuration.

(A) denotes changes.

AMSC N/A

FSC 5935

DISTRIBUTION STATEMENT A Approved for public release; distribution unlimited

REQUIREMENTS:

1. Dimensions and configuration: See figure 1.
2. Effectiveness of enclosure: Submersible (15-foot) in accordance with MIL-STD-108 when coupled with mating plug.
3. Strain relief: 30 pounds.
4. Material: Body and housing - brass.
Spring contacts - phosphor bronze, spring temper.
5. Insulation: Type GMG in accordance with MIL-P-79.
6. Contact insulation: Type MAI-60 in accordance with MIL-M-14.
7. Stuffing tube: MIL-S-19622/3, part number M19622/3-004 (not furnished).
8. Packing assembly: MIL-S-19622/19, part number M19622/19-0005 (not furnished).
9. Mating plug: MIL-R-2726/24, part number M2726/24-001 (not furnished).
10. Test cable: MIL-C-24643 and MIL-C-24643/3 (not furnished).
11. Design: Binding head screws may be used. Individual pathways through the contact insulation shall be provided to each contact, of ample size to accept the insulated conductors.
12. Part number: M2726/25-001.
13. Electrical rating: 25-ampere, 500-volt, alternating current, 60-hertz.
14. Cap for maintaining submersible integrity shall be furnished.

QUALITY ASSURANCE:

Quality assurance shall be as specified in MIL-R-2726 and table I herein. The first article and quality conformance inspections shall consist of the inspections as specified in table I, in the order shown.

TABLE I. First article and quality conformance inspection.

Inspection	Requirement	Test method	First article	Quality conformance
Examination	3.1, 3.3, 3.4, 3.5, 3.6 and 3.7	4.6.1	X	X
Insulation resistance	3.5.1	4.7.1	X	X
Dielectric withstanding voltage	3.5.2	4.7.2	X	X
Contact resistance	3.5.3.1	4.7.3.1	X	X
Endurance	3.5.5	4.7.5	X	
Salt spray	3.5.11	4.7.11	X	
Contact resistance	3.5.3.1	4.7.3.1	X	
Current load	3.5.12	4.7.12	X	
Vibration	3.5.9	4.7.9	X	
Shock	3.5.10	4.7.10	X	
Effectiveness of enclosure	3.5.4	4.7.4	X	X
Dielectric withstanding voltage	3.5.2	4.7.2	X	
Rockwell hardness	3.5.14	4.7.14	X	

Preparing activity:
Navy - SH
(Project 5935-N255-26)